



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 12181944  
SAU: MSAD 24  
School: Van Buren Elementary School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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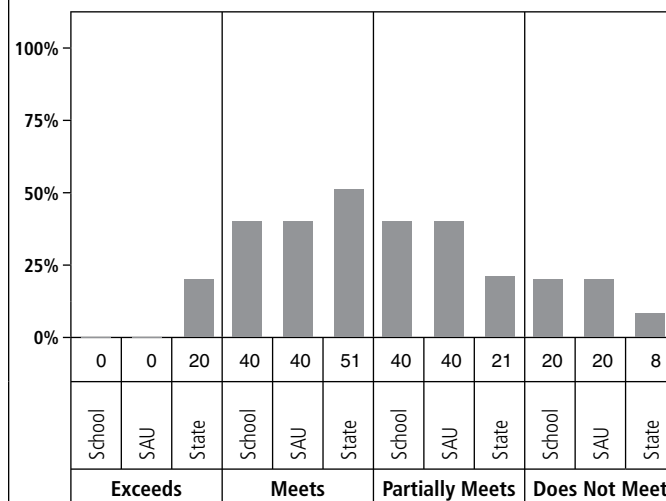
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

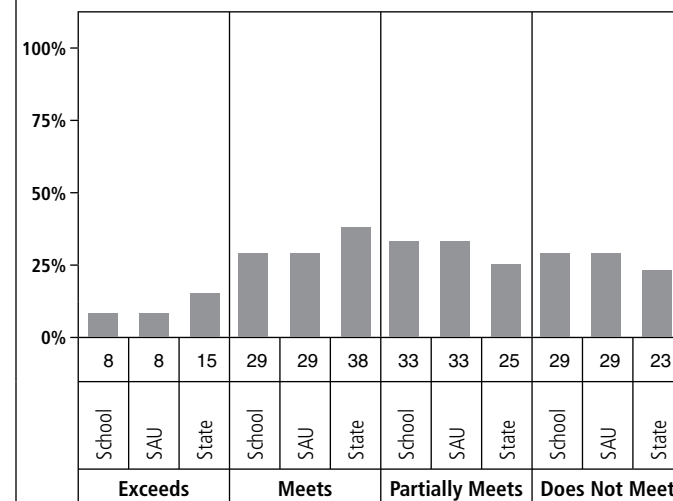
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b> 2006–2007 2007–2008 <b>2008–2009</b> Cum. Avg.*	<b>840</b>	844 844 <b>840</b> 843	847 849 <b>850</b> 849
<b>Mathematics</b> 2006–2007 2007–2008 <b>2008–2009</b> Cum. Avg.*	<b>837</b>	834 837 <b>837</b> 836	842 841 <b>843</b> 842
<b>Science</b> <b>2008–2009 **</b>	<b>839</b>	<b>839</b>	<b>846</b>

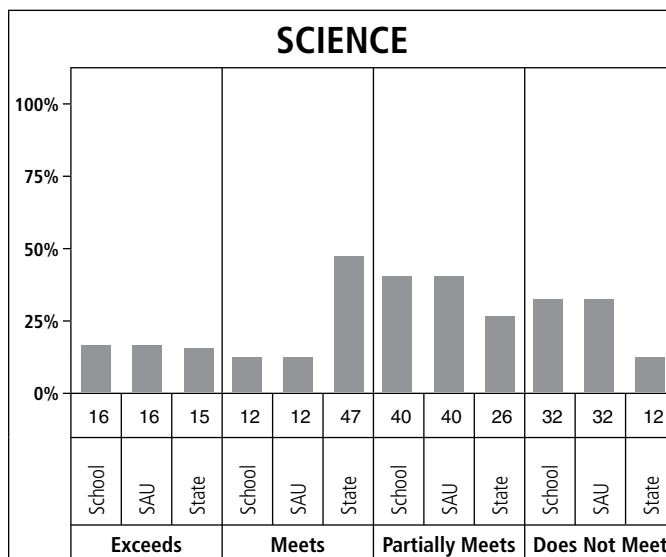
## ELA – READING



## MATHEMATICS



## SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%		%		%		%	
<b>Total number of students</b>	25	100	25	100	14804	100	25	100	25	100	14659	99	25	100	25	100	14653	99	25	100	25	100	14626	99
<b>Ethnicity</b> African American/Black	1	4	1	4	377	3	1	100	1	100	366	97	1	100	1	100	371	98	1	100	1	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	24	96	24	96	13878	94	24	100	24	100	13756	99	24	100	24	100	13742	99	24	100	24	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	3	12	3	12	2489	17	3	100	3	100	2434	99	3	100	3	100	2424	98	3	100	3	100	2418	98
<b>Current LEP</b>	10	40	10	40	349	2	10	100	10	100	331	95	10	100	10	100	342	98	10	100	10	100	338	97
<b>Economically disadvantaged</b>	16	64	16	64	5460	37	16	100	16	100	5380	99	16	100	16	100	5377	99	16	100	16	100	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%	
<b>Participation without accommodations</b>	24	96	24	96	12132	82	24	96	24	96	12124	82	24	96	24	96	12169	82
Identified disability (PET/IEP)	2	8	2	8	379	3	2	8	2	8	380	3	2	8	2	8	425	3
LEP	10	42	10	42	166	1	10	42	10	42	169	1	10	42	10	42	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
<b>Participation with accommodations</b>	1	4	1	4	2349	16	0	0	0	0	2347	16	1	4	1	4	2288	15
Identified disability (PET/IEP)	1	100	1	100	1877	80	0	0	0	0	1862	79	1	100	1	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
<b>Participation through alternate assessment (PAAP)</b>	0	0	0	0	178	1	1	4	1	4	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	1	100	1	100	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007			3	10	2407	16
	2007-2008			5	13	3428	23
	<b>2008-2009</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2857</b>	<b>20</b>
	Cum. Total*			8	9	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007			14	48	7494	49
	2007-2008			18	47	7179	48
	<b>2008-2009</b>	<b>10</b>	<b>40</b>	<b>10</b>	<b>40</b>	<b>7431</b>	<b>51</b>
	Cum. Total*			42	46	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007			8	28	3628	24
	2007-2008			7	18	2706	18
	<b>2008-2009</b>	<b>10</b>	<b>40</b>	<b>10</b>	<b>40</b>	<b>2979</b>	<b>21</b>
	Cum. Total*			25	27	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007			4	14	1810	12
	2007-2008			8	21	1611	11
	<b>2008-2009</b>	<b>5</b>	<b>20</b>	<b>5</b>	<b>20</b>	<b>1214</b>	<b>8</b>
	Cum. Total*			17	18	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	28.4	50.7	28.4	50.7	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	9.4	47.0	9.4	47.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	19.0	52.8	19.0	52.8	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	25	0	0	10	40	10	40	5	20	840	25	0	40	40	20	840	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	24	0	0	9	38	10	42	5	21	840	24	0	38	42	21	840	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	3										3						2256	2	25	40	34	834
No	22	0	0	10	45	8	36	4	18	841	22	0	45	36	18	841	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	10	0	0	2	20	5	50	3	30	834	10	0	20	50	30	834	324	5	34	36	26	838
No	15	0	0	8	53	5	33	2	13	844	15	0	53	33	13	844	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	16	0	0	6	38	6	38	4	25	839	16	0	38	38	25	839	5277	10	46	29	15	844
No	9	0	0	4	44	4	44	1	11	841	9	0	44	44	11	841	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	25	0	0	10	40	10	40	5	20	840	25	0	40	40	20	840	14476	20	51	21	8	850
<b>Gender</b>																						
Female	9	0	0	4	44	4	44	1	11	843	9	0	44	44	11	843	7074	25	51	18	6	852
Male	16	0	0	6	38	6	38	4	25	838	16	0	38	38	25	838	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	25	0	0	10	40	10	40	5	20	840	25	0	40	40	20	840	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	0										0						700	69	30	1	0	867
No	25	0	0	10	40	10	40	5	20	840	25	0	40	40	20	840	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										0						8	8	39	29	24	841
B. less than one hour	36	0	0	3	33	5	56	1	11	840	36	0	33	56	11	840	51	17	53	22	8	849
C. one to two hours	56	0	0	6	43	4	29	4	29	840	56	0	43	29	29	840	36	24	52	18	5	852
D. more than two hours	8	0	0	1	50	1	50	0	0	840	8	0	50	50	0	840	5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	24	0	0	3	50	3	50	0	0	846	24	0	50	50	0	846	31	35	50	11	4	856
B. good	52	0	0	6	46	4	31	3	23	840	52	0	46	31	23	840	47	16	55	21	7	849
C. fair	24	0	0	1	17	3	50	2	33	833	24	0	17	50	33	833	18	5	47	33	15	842
D. poor	0										0						3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	4	0	0	1	100	0	0	0	0	844	4	0	100	0	0	844	32	27	54	14	5	853
B. They match some of what I have learned.	56	0	0	6	43	6	43	2	14	843	56	0	43	43	14	843	52	18	53	22	8	850
C. They match just a little of what I have learned.	32	0	0	2	25	4	50	2	25	837	32	0	25	50	25	837	12	11	45	29	15	844
D. There is no match.	8	0	0	1	50	0	0	1	50	832	8	0	50	0	50	832	4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	20	0	0	1	20	1	20	3	60	831	20	0	20	20	60	831	15	13	42	28	17	844
B. about the same as my regular schoolwork	68	0	0	7	41	8	47	2	12	841	68	0	41	47	12	841	64	19	53	20	7	850
C. easier than my regular schoolwork	12	0	0	2	67	1	33	0	0	850	12	0	67	33	0	850	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	12	0	0	0	0	1	33	2	67	827	12	0	0	33	67	827	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	48	0	0	3	25	8	67	1	8	838	48	0	25	67	8	838	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	40	0	0	7	70	1	10	2	20	846	40	0	70	10	20	846	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	32	0	0	2	25	5	63	1	13	837	32	0	25	63	13	837	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	60	0	0	6	40	5	33	4	27	839	60	0	40	33	27	839	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	8	0	0	2	100	0	0	0	0	857	8	0	100	0	0	857	7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	28	0	0	5	71	1	14	1	14	847	28	0	71	14	14	847	19	26	53	15	6	853
B. 20 minutes to an hour	28	0	0	2	29	4	57	1	14	839	28	0	29	57	14	839	40	25	52	17	6	852
C. less than 20 minutes	12	0	0	1	33	1	33	1	33	841	12	0	33	33	33	841	15	18	51	21	10	849
D. I rarely read at home.	32	0	0	2	25	4	50	2	25	834	32	0	25	50	25	834	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	24	0	0	3	50	3	50	0	0	844	24	0	50	50	0	844	42	27	51	15	6	853
B. agree	68	0	0	7	41	6	35	4	24	840	68	0	41	35	24	840	50	15	53	23	9	848
C. disagree	8	0	0	0	0	1	50	1	50	829	8	0	0	50	50	829	7	8	46	32	14	843
D. strongly disagree	0										0						2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007			0	0	1952	13
	2007-2008			5	13	1657	11
	<b>2008-2009</b>	<b>2</b>	<b>8</b>	<b>2</b>	<b>8</b>	<b>2116</b>	<b>15</b>
	Cum. Total*			7	8	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007			10	34	5870	38
	2007-2008			10	26	5956	40
	<b>2008-2009</b>	<b>7</b>	<b>29</b>	<b>7</b>	<b>29</b>	<b>5443</b>	<b>38</b>
	Cum. Total*			27	30	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007			9	31	3982	26
	2007-2008			13	34	3729	25
	<b>2008-2009</b>	<b>8</b>	<b>33</b>	<b>8</b>	<b>33</b>	<b>3556</b>	<b>25</b>
	Cum. Total*			30	33	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007			10	34	3534	23
	2007-2008			10	26	3579	24
	<b>2008-2009</b>	<b>7</b>	<b>29</b>	<b>7</b>	<b>29</b>	<b>3356</b>	<b>23</b>
	Cum. Total*			27	30	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	25.2	45.0	25.2	45.0	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	3.9	48.8	3.9	48.8	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	7.0	43.8	7.0	43.8	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	4.9	40.8	4.9	40.8	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	9.4	47.0	9.4	47.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 24  
 School: Van Buren Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	24	2	8	7	29	8	33	7	29	837	24	8	29	33	29	837	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	1										1						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	23	2	9	7	30	8	35	6	26	837	23	9	30	35	26	837	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	2										2						2242	2	12	22	63	824
No	22	2	9	7	32	8	36	5	23	840	22	9	32	36	23	840	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	10	0	0	1	10	4	40	5	50	826	10	0	10	40	50	826	336	6	18	26	51	829
No	14	2	14	6	43	4	29	2	14	844	14	14	43	29	14	844	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	16	1	6	5	31	6	38	4	25	837	16	6	31	38	25	837	5270	6	30	28	36	835
No	8	1	13	2	25	2	25	3	38	835	8	13	25	25	38	835	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	24	2	8	7	29	8	33	7	29	837	24	8	29	33	29	837	14466	15	38	25	23	843
<b>Gender</b>																						
Female	9	0	0	4	44	3	33	2	22	838	9	0	44	33	22	838	7070	15	39	25	22	843
Male	15	2	13	3	20	5	33	5	33	835	15	13	20	33	33	835	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	24	2	8	7	29	8	33	7	29	837	24	8	29	33	29	837	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	0										0						700	68	27	3	1	866
No	24	2	8	7	29	8	33	7	29	837	24	8	29	33	29	837	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	0 33 58 8	 0 2 0	 0 14 0	 2 4 1	 25 29 50	 2 5 1	 25 36 50	 4 3 0	 50 21 0	 833 838 839	 0 33 58 8	 0 14 0	 25 29 50	 25 36 50	 50 21 0	 833 838 839	 8 51 36 5	 8 12 19 19	 24 38 40 36	 24 26 23 22	 44 23 19 23	 833 842 845 844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b> A. very good B. good C. fair D. poor	35 39 22 4	 1 1 0 0	 13 11 0 0	 3 4 0 0	 38 44 0 0	 3 1 2 1	 38 11 40 100	 1 3 3 0	 13 33 60 0	 844 836 828 832	 35 39 22 4	 13 11 0 0	 38 44 0 0	 38 11 40 100	 13 33 60 0	 844 836 828 832	 28 45 21 5	 33 11 3 2	 41 43 27 14	 15 25 35 30	 11 21 35 54	 852 842 834 828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b> A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	4 63 25 8	 0 1 1 0	 0 7 17 0	 1 5 1 0	 100 33 17 0	 0 5 3 0	 0 33 50 0	 0 4 1 2	 0 27 17 100	 860 837 839 814	 4 63 25 8	 0 7 17 0	 100 33 17 0	 0 33 50 100	 0 27 17 0	 860 837 839 814	 28 52 16 4	 23 13 8 5	 41 40 28 15	 21 25 30 22	 15 21 34 58	 848 843 836 826
<b>How difficult was the mathematics part of this test?</b> A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	42 46 13	 0 1 1	 0 9 33	 1 4 2	 10 36 67	 4 4 0	 40 36 0	 5 2 0	 50 18 0	 826 840 858	 42 46 13	 0 9 33	 10 36 67	 40 36 0	 50 18 0	 826 840 858	 32 52 16	 6 13 39	 34 41 35	 29 25 13	 32 20 13	 837 843 853
<b>How hard did you try on the mathematics part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	42 58 0	 0 2 0	 0 14 0	 3 4 0	 30 29 0	 3 5 0	 30 36 0	 4 3 0	 40 21 0	 833 839 0	 42 58 0	 0 14 0	 30 29 0	 30 36 0	 40 21 0	 833 839 0	 42 52 7	 12 17 12	 38 39 27	 26 23 27	 25 20 35	 841 845 837
<b>How often do you use calculators in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	17 33 8 42	 1 1 0 0	 25 13 0 0	 2 0 0 5	 50 0 0 50	 1 4 1 2	 25 50 50 20	 0 3 1 3	 0 38 50 30	 852 832 832 835	 17 33 8 42	 25 13 0 0	 50 0 50 50	 25 50 50 20	 0 38 50 30	 852 832 832 835	 34 35 18 13	 18 14 12 9	 40 38 37 32	 22 26 27 25	 20 21 24 34	 845 843 841 837
<b>How often do you use laptops in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	0 0 4 96	  1 1	  100 4	  0 7	  0 30	  0 8	  0 35	  0 7	  0 30	  866 835	  4 96	  100 4	  0 30	  0 35	  0 30	  866 835	  28 46	  15 16	  40 36	  25 24	  20 23	  844 843
<b>How do you feel about the following statement?</b> <b>“My knowledge of mathematics will be useful to me as an adult.”</b> A. strongly agree B. agree C. disagree D. strongly disagree	25 58 17 0	 1 1 0 0	 17 7 0 0	 1 5 1 0	 17 36 25 0	 3 4 1 0	 50 29 25 0	 1 4 2 0	 17 29 50 0	 837 838 833 0	 25 58 17 0	 17 7 0 0	 17 36 25 0	 50 29 25 0	 17 29 50 0	 837 838 833 0	 52 39 6 3	 19 11 7 4	 41 35 28 25	 22 27 26 28	 18 27 39 43	 846 840 835 832
<b>Optional school/SAU question</b> A. B. C. D.	0 0 0 0	    	    	    	    	    	    	    	    	    	    	    	    	    	    	    	    	    	    	    	    	    

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	4	16	4	16	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	3	12	3	12	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	10	40	10	40	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	8	32	8	32	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	27.0	48.2	27.0	48.2	32.0	57.1
<b>D. The Physical Setting</b>	31	55	14.3	46.1	14.3	46.1	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	8.6	50.6	8.6	50.6	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	5.7	40.7	5.7	40.7	7.7	55.0
<b>E. The Living Environment</b>	25	45	12.7	50.8	12.7	50.8	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	25	4	16	3	12	10	40	8	32	839	25	16	12	40	32	839	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	24	4	17	3	13	9	38	8	33	839	24	17	13	38	33	839	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	3										3						2221	3	22	36	38	832
No	22	4	18	3	14	9	41	6	27	840	22	18	14	41	27	840	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	10	1	10	0	0	3	30	6	60	833	10	10	0	30	60	833	331	4	20	39	37	832
No	15	3	20	3	20	7	47	2	13	843	15	20	20	47	13	843	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	16	2	13	2	13	8	50	4	25	838	16	13	13	50	25	838	5184	6	40	33	21	840
No	9	2	22	1	11	2	22	4	44	840	9	22	11	22	44	840	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	25	4	16	3	12	10	40	8	32	839	25	16	12	40	32	839	14258	15	47	26	12	846
<b>Gender</b>																						
Female	9	1	11	2	22	3	33	3	33	840	9	11	22	33	33	840	6953	14	47	28	11	846
Male	16	3	19	1	6	7	44	5	31	838	16	19	6	44	31	838	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	25	4	16	3	12	10	40	8	32	839	25	16	12	40	32	839	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	0										0						699	65	34	2	0	865
No	25	4	16	3	12	10	40	8	32	839	25	16	12	40	32	839	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 24  
School: Van Buren Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										0						8	8	34	28	30	837
B. less than one hour	36	2	22	0	0	5	56	2	22	841	36	22	0	56	22	841	51	14	48	27	11	846
C. one to two hours	56	2	14	3	21	3	21	6	43	839	56	14	21	21	43	839	36	19	48	24	9	848
D. more than two hours	8	0	0	0	0	2	100	0	0	832	8	0	0	100	0	832	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	28	2	29	1	14	4	57	0	0	846	28	29	14	57	0	846	23	27	47	17	8	851
B. good	48	0	0	2	17	4	33	6	50	833	48	0	17	33	50	833	53	15	50	26	10	847
C. fair	24	2	33	0	0	2	33	2	33	841	24	33	0	33	33	841	20	4	43	35	18	840
D. poor	0										0						4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	16	1	25	0	0	2	50	1	25	838	16	25	0	50	25	838	26	20	49	23	9	849
B. They match some of what I have learned.	40	1	10	0	0	4	40	5	50	833	40	10	0	40	50	833	51	14	48	26	11	846
C. They match just a little of what I have learned.	32	1	13	2	25	4	50	1	13	843	32	13	25	50	13	843	18	13	44	28	15	844
D. There is no match.	12	1	33	1	33	0	0	1	33	847	12	33	33	0	33	847	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	32	1	13	1	13	3	38	3	38	836	32	13	13	38	38	836	32	13	45	28	14	844
B. about the same as my regular schoolwork	60	3	20	2	13	6	40	4	27	841	60	20	13	40	27	841	56	15	49	25	11	847
C. easier than my regular schoolwork	8	0	0	0	0	1	50	1	50	832	8	0	0	50	50	832	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	29	0	0	0	0	6	86	1	14	831	29	0	0	86	14	831	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	71	4	24	3	18	4	24	6	35	843	71	24	18	24	35	843	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	33	0	0	0	0	5	63	3	38	830	33	0	0	63	38	830	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	17	3	75	0	0	0	0	1	25	858	17	75	0	0	25	858	23	17	49	22	12	847
C. the course(s) described in B, plus physics	17	0	0	1	25	2	50	1	25	839	17	0	25	50	25	839	21	31	44	17	7	852
D. a life science and physical science class	33	1	13	2	25	3	38	2	25	841	33	13	25	38	25	841	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	24	2	33	2	33	1	17	1	17	853	24	33	33	17	17	853	27	23	47	20	10	849
B. agree	32	2	25	0	0	4	50	2	25	839	32	25	0	50	25	839	37	14	47	27	12	846
C. disagree	16	0	0	1	25	1	25	2	50	835	16	0	25	25	50	835	25	11	48	29	12	845
D. strongly disagree	28	0	0	0	0	4	57	3	43	829	28	0	0	57	43	829	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	28	1	14	1	14	4	57	1	14	843	28	14	14	57	14	843	31	22	46	22	10	849
B. agree	40	1	10	2	20	4	40	3	30	838	40	10	20	40	30	838	50	14	49	26	11	846
C. disagree	24	0	0	0	0	2	33	4	67	827	24	0	0	33	67	827	14	9	45	31	15	843
D. strongly disagree	8	2	100	0	0	0	0	0	0	863	8	100	0	0	0	863	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number